PROJEC [®]	Γ		UNIV					RANSFORMATIONS ency is TRADOC.	
LOCATION					ORGANIZATION				
ZONE	UNIT Mete	er	FALSE NORTHING (FN 2,000,000 Meter	•		FALSE EAS 2,000,	TING (FE) 000 Mete		
STATIO	N			STATIO	N				
Ø				Ø					
λ		•		λ					
sin λ		cos λ		sin λ			cos λ		
tan λ		cot λ		tan λ			cot λ		
R				R					
N'		E'		N'			Е'		
N		Е		N			Е		
STATIO	N			STATIO	N				
Ø				Ø					
λ				λ					
sin λ		cos λ		sin λ			cos λ		
tan λ		cot λ		tan λ			cot λ		
R				R					
N'		E'		N'			E'		
N		E		N			Е		
GEOGRAPHIC COORDINATES TO UPS GRID COORDINATES TO UPS							S ZONE		
λ less than 90° subtract N' from FN λ greater than 90° add N' to FN λ east, E' plus λ west, E' minus				λ less than 90° add N' to FN λ greater than 90° subtract N' from FN λ east, E' plus λ west, E' minus					
N=FN		N'=R		E=FE		ODDINATE	E'=R si	nλ	
		UPS GR.	ID COORDINATES TO BOTH	ZONES	АРНІС СО	ORDINATES	<u> </u>		
N'=N-	2,000,000		If N' greater	than E' us		E' N'			
E'=E-:	2,000,000		If E' greater	than N' us	se $\cot \lambda = \frac{1}{2}$	<u>N'</u> E'			
NORTH ZONE					SOUTH ZONE				
If N less than FN use λ as solved If N greater than FN subtract λ from 180° If E less than FE λ is west					If N less than FN subtract λ from 180° If N greater than FN use λ as solved If E less than FE λ is west				
$R = \frac{E'}{\sin \lambda}$ Ø by inverse interpolation of R									
COMPUTED BY DATE (YYYYMMDD)				CHECKED BY			DATE (YYYYMMDD)		